

Appendix B: Biological Resources Information



Selected Elements by Element Code

California Department of Fish and Game

California Natural Diversity Database



Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFG SSC or FP
AAABF02020	<i>Spea hammondi</i> western spadefoot	None	None	G3	S3	SSC
AAABH01022	<i>Rana draytonii</i> California red-legged frog	Threatened	None	G4T2T3	S2S3	SSC
ABNFD01020	<i>Phalacrocorax auritus</i> double-crested cormorant	None	None	G5	S3	WL
ABNGA04010	<i>Ardea herodias</i> great blue heron	None	None	G5	S4	
ABNGA04040	<i>Ardea alba</i> great egret	None	None	G5	S4	
ABNKC06010	<i>Elanus leucurus</i> white-tailed kite	None	None	G5	S3	FP
ABNKC10010	<i>Haliaeetus leucocephalus</i> bald eagle	Delisted	Endangered	G5	S2	FP
ABNKC12040	<i>Accipiter cooperii</i> Cooper's hawk	None	None	G5	S3	WL
ABNKD06030	<i>Falco columbarius</i> merlin	None	None	G5	S3	WL
ABNSB10010	<i>Athene cunicularia</i> burrowing owl	None	None	G4	S2	SSC
ABPBXB0020	<i>Agelaius tricolor</i> tricolored blackbird	None	None	G2G3	S2	SSC
AMACC02010	<i>Lasionycteris noctivagans</i> silver-haired bat	None	None	G5	S3S4	
AMACC10010	<i>Antrozous pallidus</i> pallid bat	None	None	G5	S3	SSC
ARAAD02030	<i>Actinemys marmorata</i> western pond turtle	None	None	G3G4	S3	SSC
CTT42110CA	<i>Valley Needlegrass Grassland</i> Valley Needlegrass Grassland	None	None	G1	S3.1	
CTT44110CA	<i>Northern Hardpan Vernal Pool</i> Northern Hardpan Vernal Pool	None	None	G3	S3.1	
CTT44132CA	<i>Northern Volcanic Mud Flow Vernal Pool</i> Northern Volcanic Mud Flow Vernal Pool	None	None	G1	S1.1	
ICBRA03030	<i>Branchinecta lynchi</i> vernal pool fairy shrimp	Threatened	None	G3	S2S3	
ICBRA06010	<i>Linderiella occidentalis</i> California linderiella	None	None	G3	S2S3	
IICOL48011	<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	Threatened	None	G3T2	S2	
IICOL5V010	<i>Hydrochara rickseckeri</i> Ricksecker's water scavenger beetle	None	None	G1G2	S1S2	



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Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFG SSC or FP
IIHYM35030	<i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee	None	None	G2	S2	
PDAST7P010	<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	Endangered	Endangered	G2	S2.1	1B.1
PDAST8H1V0	<i>Packera layneae</i> Layne's ragwort	Threatened	Rare	G2	S2.1	1B.2
PDAST9X0D0	<i>Wyethia reticulata</i> El Dorado County mule ears	None	None	G2	S2.2	1B.2
PDCIS020F0	<i>Helianthemum suffrutescens</i> Bisbee Peak rush-rose	None	None	G2Q	S2.2	3.2
PDONA05053	<i>Clarkia biloba ssp. brandegeae</i> Brandegee's clarkia	None	None	G4G5T3	S3	1B.2
PDPLM0C0X1	<i>Navarretia myersii ssp. myersii</i> pincushion navarretia	None	None	G1T1	S1.1	1B.1
PDRHA04190	<i>Ceanothus roderickii</i> Pine Hill ceanothus	Endangered	Rare	G2	S2.1	1B.2
PDRUB0N0E7	<i>Galium californicum ssp. sierrae</i> El Dorado bedstraw	Endangered	Rare	G5T1	S1.2	1B.2
PDSTE03030	<i>Fremontodendron decumbens</i> Pine Hill flannelbush	Endangered	Rare	G1	S1.2	1B.2
PMALI040Q0	<i>Sagittaria sanfordii</i> Sanford's arrowhead	None	None	G3	S3.2	1B.2
PMLIL0G020	<i>Chlorogalum grandiflorum</i> Red Hills soaproot	None	None	G2	S2	1B.2
PMPOA4G070	<i>Orcuttia viscida</i> Sacramento Orcutt grass	Endangered	Endangered	G1	S1.1	1B.1

Record Count: 34

CNPS Inventory of Rare and Endangered Plants

Status: Plant Press Manager window with 13 items - Thu, Jun. 17, 2010 12:49 c



























- During each visit, we provide you with an empty "Plant Press" for collecting items of interest.
- Several report formats are available. Use the CSV and XML options to download raw data.

Reformat list as: Standard List - with Plant Press controls

DELETE unchecked items

check all

check none

open	save	scientific	common	family	CNPS
	<input checked="" type="checkbox"/>	<u>Ceanothus roderickii</u> 	Pine Hill ceanothus	Rhamnaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Chlorogalum grandiflorum</u> 	Red Hills soaproot	Liliaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Clarkia biloba ssp. brandegeae</u> 	Brandegee's clarkia	Onagraceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Eryngium pinnatisectum</u> 	Tuolumne button-celery	Apiaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Fremontodendron decumbens</u> 	Pine Hill flannelbush	Sterculiaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Galium californicum ssp. sierrae</u> 	El Dorado bedstraw	Rubiaceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Helianthemum suffrutescens</u> 	Bisbee Peak rush-rose	Cistaceae	List 3.2
	<input checked="" type="checkbox"/>	<u>Navarretia myersii ssp. myersii</u> 	pincushion navarretia	Polemoniaceae	List 1B.1
	<input checked="" type="checkbox"/>	<u>Orcuttia viscida</u> 	Sacramento Orcutt grass	Poaceae	List 1B.1
	<input checked="" type="checkbox"/>	<u>Packera layneae</u> 	Layne's ragwort	Asteraceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Pseudobahia bahiifolia</u> 	Hartweg's golden sunburst	Asteraceae	List 1B.1
	<input checked="" type="checkbox"/>	<u>Sagittaria sanfordii</u> 	Sanford's arrowhead	Alismataceae	List 1B.2
	<input checked="" type="checkbox"/>	<u>Wyethia reticulata</u> 	El Dorado County mule ears	Asteraceae	List 1B.2

DELETE unchecked items

check all

check none

U.S. Fish & Wildlife Service
Sacramento Fish & Wildlife Office
Federal Endangered and Threatened Species that Occur in
or may be Affected by Projects in the Counties and/or
U.S.G.S. 7 1/2 Minute Quads you requested

Document Number: 100617110311

Database Last Updated: April 29, 2010

Quad Lists

Listed Species

Invertebrates

Branchinecta conservatio

Conservancy fairy shrimp (E)

Branchinecta lynchi

vernal pool fairy shrimp (T)

Desmocerus californicus dimorphus

valley elderberry longhorn beetle (T)

Lepidurus packardii

vernal pool tadpole shrimp (E)

Fish

Hypomesus transpacificus

delta smelt (T)

Oncorhynchus mykiss

Central Valley steelhead (T) (NMFS)

Critical habitat, Central Valley steelhead (X) (NMFS)

Oncorhynchus tshawytscha

Central Valley spring-run chinook salmon (T) (NMFS)

winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense

California tiger salamander, central population (T)

Rana draytonii

California red-legged frog (T)

Reptiles

Thamnophis gigas

giant garter snake (T)

Plants

Calystegia stebbinsii

Stebbins's morning-glory (E)

Ceanothus roderickii

Pine Hill ceanothus (E)

Fremontodendron californicum ssp. decumbens

Pine Hill flannelbush (E)

Galium californicum ssp. sierrae

El Dorado bedstraw (E)

Orcuttia viscida

Critical habitat, Sacramento Orcutt grass (X)

Sacramento Orcutt grass (E)

Senecio layneae

Layne's butterweed (=ragwort) (T)

Quads Containing Listed, Proposed or Candidate Species:

CLARKSVILLE (511A)

FOLSOM (511B)

County Lists

No county species lists requested.

Key:

(E) *Endangered* - Listed as being in danger of extinction.

(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.

(P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the [National Oceanic & Atmospheric Administration Fisheries Service](#). Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.

(X) *Critical Habitat* designated for this species

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. See our [Protocol](#) and [Recovery Permits](#) pages.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be

found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [Map Room](#) page.

Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. [More info](#)

Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6580.

Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be September 15, 2010.